


# SACC-M12MR-4CON-PG7

Order No.: 1681091

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1681091>

Sensor/actuator connector, male, angled, 4-pos., M12, A-coded, screw connection, plastic knurl, cable screw connection Pg7

## Commercial data

GTIN (EAN)	
sales group	D120
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 70 (PC-2011)

## Product notes

WEEE/RoHS-compliant since:  
11/23/2005



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## Technical data

### General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	3
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ

Ambient temperature (operation)	-25 °C ... 80 °C (Male connector / female connector)
<b>General characteristics</b>	
Standards/regulations	M8 connector IEC 61076-2-104
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/67
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	PA 6
Material, knurls	Nickel-plated brass
Connection method	QUICKON fast connection
Conductor cross section stranded min.	0.08 mm <sup>2</sup>
Conductor cross section stranded max.	0.25 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	24
Frequency of connections between conductors of the same cross section	10
External cable diameter	2.5 mm ... 5 mm +/-0.2 mm
Wire insulation material	PVC/PE/PP
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 2-6
Status display	No

#### Certificates / Approvals

Certification CUL, UL

#### Accessories

Item	Designation	Description
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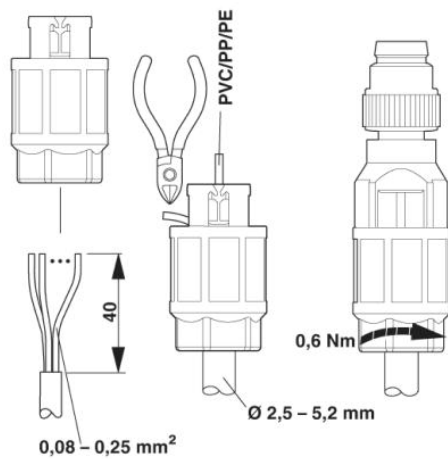
#### Tools

1208461	SAC BIT M8-D10	Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive
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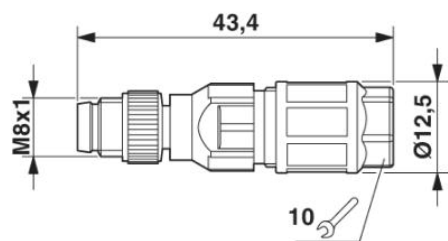
1208487	TSD 02 SAC	Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors
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**Diagrams/Drawings**

Functional drawing

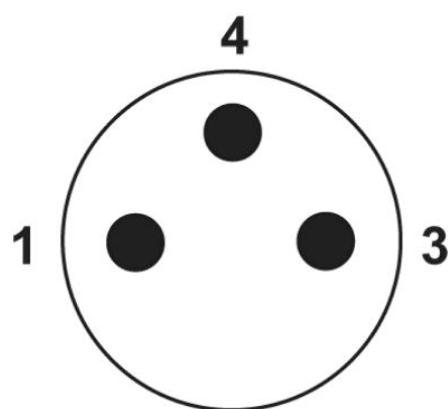


Dimensioned drawing



M8 x 1 male connector, straight version

Schematic diagram



Pin assignment M8 plug, 3-pos., view male side

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